

JAN 17 1982

DPM 1171

HAZARDOUS MATERIALS DATA SHEET  
(PLEASE COMPLETE APPLICABLE SECTIONS)

1. PRODUCT NAME, NUMBER, SYNONYM: Silver-Lume\* Brightener A
2. MANUFACTURER'S NAME: M&T Chemicals Inc.
3. MANUFACTURER'S ADDRESS: P.O. Box 1104, Rahway, New Jersey 07065
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Sweep up solids. Flush with water.  
Normal procedure.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Normal chemical storage and transportation.  
Not a D.O.T. regulated product.
6. FIRST AID TREATMENT:
  - A. SKIN CONTACT: Remove contaminated clothing and drench skin thoroughly with water for 10-15 minutes.
  - B. EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
  - C. INHALATION: Remove to a non-contaminated area.
  - \*\*
  - D. ANTIDOTE IN CASE OF SWALLOWING: See other side.
7. PHYSIOLOGICAL PROPERTIES:
  - A. ACUTE ORAL TOXICITY: May cause systemic effects if taken internally.
  - B. LOCAL EFFECTS UPON EYES: Irritant.
  - C. LOCAL EFFECTS UPON SKIN: Irritant.
  - D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Material tends to dust and dust has been found irritating to the respiratory system.
  - E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT):
  - F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS):
8. CHEMICAL AND PHYSICAL PROPERTIES:
  - A. SPECIFIC GRAVITY (WATER = 1)
  - B. VAPOR DENSITY (AIR = 1)
  - C. VAPOR PRESSURE mm Hg AT 25°C.
  - D. pH
  - E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS:  
Not applicable.

\*Trademark of M&T Chemicals Inc.

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? No.

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
A proprietary mixture of a resin (sulfur-containing compound and an acetone-containing material) plus an inorganic salt. A light grey to brown powder.	
Acetone-Sulfide	Less than 20%
Bicarbonate	Over 80%

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing dust. Avoid accidental ingestion. Launder contaminated clothing before re-use.

10. RECOMMENDED PROTECTIVE EQUIPMENT: Chemical safety goggles, rubber gloves, respirators recommended for dusty conditions, and protective clothing.

11. A. FLASHPOINT °F: CLOSED CUP \_\_\_\_\_; OPEN CUP \_\_\_\_\_; IF F.P. CHANGES DURING EVAPORATION GIVE DATA:

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER \_\_\_\_\_; UPPER \_\_\_\_\_

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES \_\_\_\_\_; NO \_\_\_\_\_

D. FIRE POINT °F \_\_\_\_\_; AUTO IGNITION TEMPERATURE °F \_\_\_\_\_

E. VAPOR DENSITY \_\_\_\_\_

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? \_\_\_\_\_

G. SUITABLE EXTINGUISHING AGENTS: \_\_\_\_\_

12. INFORMATION FURNISHED BY: Arthur A. Kornhauser

TITLE: Labeling and Packaging Coordinator

COMPANY: M&T Chemicals Inc.

ADDRESS: P.O. Box 1104, Rahway, New Jersey 07065

DATE: 1/11/72

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.

**\*\*Antidote in Case of Swallowing:** In case of accidental swallowing, consult a physician for proper use of gastric lavage before administering large quantities of milk and water. It is important to watch for pulmonary complications after ingestion. In the event of a delay before medical help is obtained, the following antidote may be used: Give two tablespoons of Epson salts in a glass of warm water and repeat until vomitus is clear. Follow with milk.

# M&T Chemicals Inc.

SUBSIDIARY OF AMERICAN CAN COMPANY

CHURCH STREET, MATAWAN, NEW JERSEY 07747



January 18, 1972

Douglas Aircraft Company  
3855 Lakewood Boulevard  
Long Beach, California 90801

Attention: Mr. A. W. Wildanger  
Safety Engineer  
Douglas Aircraft Div.

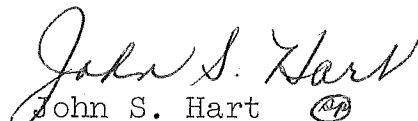

Dear Mr. Wildanger:

This letter is in answer to your request of Nov. 15, 1971 for chemical, physical, and toxicological properties of Silverlume A and Silverlume B. We are confident that the information furnished will fulfill your requirements.

Should there be a need for additional information, please contact the writer.

Sincerely yours,

M&T CHEMICALS INC.

  
John S. Hart   
Product Manager  
Plating Supplies

JSH:sp